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initial.		3,617,439	Nov. 2/71	Chapman, Jr.	7					
in		4,022,861	May 10/77	Levesque	1					
in		4,668,292	May 26/87	Koperdak						
ar		4,734,393	Mar. 29/88	Lowe et al.						
au	,	4,931,139	June 5/90	Phillips			- ,			
Û	/	4,975,108	Dec. 4/90	Pruitt R	ECEI	VED				
w	/	5,358,607	Oct. 25/94	Ellis	PR 1 4	2004				
W		5,599,550	Feb. 4/97	Kohlruss et al. TECHN	DLOGY CEI	NIER R3700				
Ew		5,679,129								
W	•	5,807,465	Sept. 15/98	Knapick et al.						
av		3,536,615	Oct. 27/70 Bunn							
	FOREIGN PATENT DOCUMENTS									
	REF	REF DOCUMENT NUMBER DATE COUNTRY CLASS SU			SUBCLASS	Translation YES NO				
cu)		WO 98/07804	Feb. 26/98	PCT		1				
av	/	DE 195 03 247 A1	Aug. 8/96	Germany						
'n	/	131,472	Aug. 28/19	GB						
m	/	609,069	Sept. 24/48	GB						
in		2 601 381	Jan. 15/88	France						
	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
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V		2,170,326	Aug. 22/39	Headland					
W		1,496,314	June 3/24	Ikeda					
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in		970,708	Jan. 8/51	France		1			
a	/	DE 30 08 644 A1	Oct. 9/81	Germany					
W		1,164,434	Nov. 25/80	Canada	V				
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